

**To:** Brown, Anthony R (RM)[anthony.brown@bp.com]; Lombardi, Marc (marc.lombardi@amecfw.com)[marc.lombardi@amecfw.com]  
**Cc:** Doug Carey[douglas.carey@waterboards.ca.gov]; Sanchez, Yolanda[Sanchez.Yolanda@epa.gov]  
**From:** Deschambault, Lynda  
**Sent:** Wed 1/11/2017 6:28:59 PM  
**Subject:** FW: Photos and spreadsheet  
161228 RWQCB PWT treatment volumes and metals removed V01.xlsx

Thank you doug!

Tony, could we get a similar treatment summary from ARC? Our draft timeline has been put together, but we are waiting for the ARC numbers.

And pictures of fish or plant sampling would be much appreciated as well!

Lynda

**From:** Carey, Douglas@Waterboards [mailto:douglas.carey@waterboards.ca.gov]  
**Sent:** Thursday, December 29, 2016 7:03 AM  
**To:** Deschambault, Lynda <Deschambault.Lynda@epa.gov>; Sanchez, Yolanda <Sanchez.Yolanda@epa.gov>; Byres.Jan@epa.gov  
**Cc:** Stetler, Chris@Waterboards <Chris.Stetler@waterboards.ca.gov>; gr@burlesonconsulting.com; Zentner, Taylor@Waterboards <taylor.zentner@waterboards.ca.gov>; Riley, Gary <riley.gary@epa.gov>  
**Subject:** Photos and spreadsheet

Hi Lynda, Yolanda and Jan,

As requested, attached are a few Leviathan photos and a short description of each:

LMP\_00462 – Leviathan Creek channel ~ June 1983, pre PAP, looking upstream

LMP\_00437 – Installation of the twin 72-inch pipeline to convey Leviathan Creek through the site, looking upstream ~late summer 1983

LMP\_00552 – Pit area during construction of the PAP ~1984

150730TZ 177 – Similar vantage point in the Pit, July 2015, showing the results of revegetation efforts

LMP\_00257 – Pond 2 North and 2 South during construction of the PAP ~1984

150730TZ 071 – Pond 2 North and 2 South, July 2015, showing the results of revegetation efforts

LMP\_00633 – Early lime treatment pond berm breach, November 1959 - Anaconda's rudimentary lime treatment system, current Pond 4 location

LMP\_00634 – Dead fish near Ruhenstroth dam associated with the November 1959 release - November 23, 1959

Page 22, lower right corner, of the following link has a short article with several photos from a 1935 issue of Popular Science (the only pre 1950 photo we have of Leviathan)

<https://books.google.com/books?id=tSkDAAAAMBAJ&pg=PA22&lpg=PA22&dq=popular+science+leviathan+iKYi9iwKik4GYBg#v=onepage&q&f=true>

Also attached is a spreadsheet with tabs that detail the volume of water treated each year by the Water Board's Pond Water Treatment plant and the approximate amount of a select group of metals removed each year.

As mentioned previously, we don't have RI/FS plant or fish sampling photos. Those would be more aligned with Atlantic Richfield's undertakings.

If you have any questions or comments please let me know.

Douglas Carey, P.G.

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Leviathan Mine

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